

**Education****Stanford University**

Ph.D., Management Science and Engineering (MS&amp;E)

September 2019 – June 2024 (anticipated)

Committee: Sharad Goel (advisor), Julian Nyarko, Johan Ugander

Area: Computational Social Science

Topics: Algorithmic fairness, decision making, data science

**Harvard University**

A.B., Neurobiology, Minor in Statistics

August 2012 – June 2016

GPA: 3.9/4.0, *magna cum laude***Teaching****MS&E 125: Applied Statistics**Course website: [jdgrossman.com/mse125](http://jdgrossman.com/mse125)

Instructor (Spring 2024, planned).

TA for Madeleine Udell (Spring 2023). 72 students. Rated 4.9/5.

Instructor (Spring 2022). 76 students. 4.6/5.

TA for Sharad Goel (Winter 2021). Fully remote. 86 students. 4.7/5.

**MS&E 298: Detecting Discrimination with Data**Course website: [jdgrossman.com/mse298](http://jdgrossman.com/mse298)

Instructor (Fall 2023). New course. 22 students. Rated 4.8/5.

**Awards**[Stanford Centennial TA Award](#) (2023)

Nakagawa Fellowship (2023)

[Department Course Assistant Award](#) (2021)

NSF Graduate Research Fellowship (2019–2022)

Phi Beta Kappa (2016)

Harvard College Scholar (2015)

**Publications**

“The Disparate Impacts of College Admissions Policies on Asian American Applicants”. **Josh Grossman**, Sabina Tomkins, Lindsay Page, Sharad Goel. *Scientific Reports*, 2024. [Essay](#) in The Boston Globe, [Interview](#) in Vox. <https://www.nature.com/articles/s41598-024-55119-0>

“Reconciling Legal and Empirical Conceptions of Disparate Impact”. **Josh Grossman**, Julian Nyarko, Sharad Goel. *Journal of Law and Empirical Analysis*, forthcoming. <https://jdgrossman.com/assets/di.pdf>

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2023 “Showing High-Achieving College Applicants Past Admissions Outcomes Increases Undermatching”. Sabina Tomkins, **Josh Grossman**, Lindsay Page, Sharad Goel. *Proceedings of the National Academy of Sciences*, 2023. <https://www.pnas.org/doi/abs/10.1073/pnas.2306017120>

“Racial bias as a multi-actor, multi-stage problem: An analysis of pretrial detention”. **Josh Grossman**, Julian Nyarko, Sharad Goel. *Journal of Empirical Legal Studies*, 2023. <https://onlinelibrary.wiley.com/doi/abs/10.1111/jels.12343>

2022 “Algorithm-Enabled, Personalized Glucose Management for Type 1 Diabetes at the Population Scale”. David Scheinker, Angela Gu, **Josh Grossman**, Andrew Ward, Oseas Ayerdi, Daniel Miller, Jeannine Levenenz, Korey Hood, Ming Yeh Lee, David Maahs, Priya Prahalad. *JMIR Diabetes*, 2022. <https://pubmed.ncbi.nlm.nih.gov/35666570/>

2021 “Bandit algorithms to personalize educational chatbots”. William Cai, **Josh Grossman**, Zhiyuan Lin, Hao Sheng, Johnny Tian-Zheng Wei, Joseph Jay Williams, Sharad Goel. *Machine Learning*, 2021. <https://link.springer.com/article/10.1007/s10994-021-05983-y>

“Improved individual and population-level HbA1c estimation using CGM data and patient characteristics”. **Josh Grossman**, Andrew Ward, Jamie Crandell, Priya Prahalad, David Maahs, David Scheinker. *Journal of Diabetes and its Complications*, 2021. <https://pubmed.ncbi.nlm.nih.gov/34127370/>

## Talks

2023 Office of the Vice President and U.S. Department of Education  
Conference on Data Science and Law  
Guest lecture for Stanford course “Before the Model Minority: South Asians in the US”  
Perkins Platform podcast

2022 15th Conference on Empirical Legal Studies  
Assistant United States Attorney’s Office, Northern District of CA

2021 Office of Pretrial Services, Northern District of CA  
Ninth Circuit Fairness Committee, U.S. Court of Appeals  
Magistrate and District Judge Meeting, Northern District of CA

2020 American Diabetes Association 80th Scientific Sessions

2019 AAI symposium on Story-enabled Intelligence

## Refereeing

Journal of Empirical Legal Studies (2022, 2023)  
ACM Conference on Fairness, Accountability, and Transparency (2023)  
Journal of Quantitative Criminology (2022)

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Service

**MS&E Data Science Bootcamp.** Organized a weekly 2-hour data science bootcamp for participants of the MS&E Undergraduate Diversity in Research program. [jdgrossman.com/dsb-materials](http://jdgrossman.com/dsb-materials) (Winter 2023)

**MS&E Undergraduate Diversity in Research Program.** Mentored 8 students over 7 academic quarters. (Fall 2020 – Spring 2022)

**SMASH Rising.** Mentored 5 lab interns through a student program for groups underrepresented in the technology industry. (Summer 2020)

**MS&E Department Visit Day for Ph.D. Admits.** Lead student coordinator for the inaugural virtual visit day. (Spring 2020)

**Data Science Weekend Workshop.** Organized a data science workshop for 16 high school students from groups underrepresented in tech. [policylab.stanford.edu/data-science-workshop](http://policylab.stanford.edu/data-science-workshop) (Summer 2019)

**Workshop for Institute for Research in the Social Sciences.** Led a free R workshop for 50 Stanford community members. (Summer 2019)

**Workshop for CSLI Summer Internship Program.** Led an R workshop for 20 undergraduate research interns. (Summer 2018)

**San Mateo Juvenile Hall Coding Program.** Founded a weekly coding workshop for incarcerated teens. (Summer 2017 – Fall 2019)

**AP Bootcamp at the Barrio Action Youth and Family Center.** Led a free weekend bootcamp for the AP Physics, Calculus, Statistics, and Psychology exams. (Spring 2017)

**SAT/ACT Bootcamp at the Barrio Action Youth and Family Center.** Led a free weekly bootcamp for local youth. (Summer 2016)

Employment

**National Civil Rights Organization (name withheld)**  
Data scientist consultant (Spring and Summer 2023)

**[Recidiviz](#) (criminal justice technology nonprofit)**  
Research Data Scientist Intern (Summer 2022)

**Computational Policy Lab**  
Data Scientist (May 2018 – Fall 2019)

**IXL Learning (education technology company)**  
Associate Product Manager (September 2016 – May 2018)

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Additional  
teaching

**Preparing Future Professors Fellow.** Semester-long shadowing of faculty from local colleges and universities. (Winter 2024)

**Course Instructor at Comprehensive College Prep.** Full time SAT/ACT instruction and 1-1 tutoring. (Summer 2016)

**AP Statistics, Physics, and Psychology Bootcamps.** Intensive weekend bootcamps for AP test prep held each spring, with the 13th iteration in 2024 (Spring 2012 – Present)

**Private 1-1 tutoring.** I am indebted to hundreds of past students who have made me a better teacher and mentor. (Spring 2009 – Present)

Skills

R, Python, SQL

References

Sharad Goel  
Professor of Public Policy at Harvard Kennedy School  
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Julian Nyarko  
Associate Professor at Stanford Law School  
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Lindsay Page  
Annenberg Associate Professor of Education Policy at Brown University  
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